

This friendly and intuitive software will simplify your measurement process

by offering:

Advanced and fast SOPS management

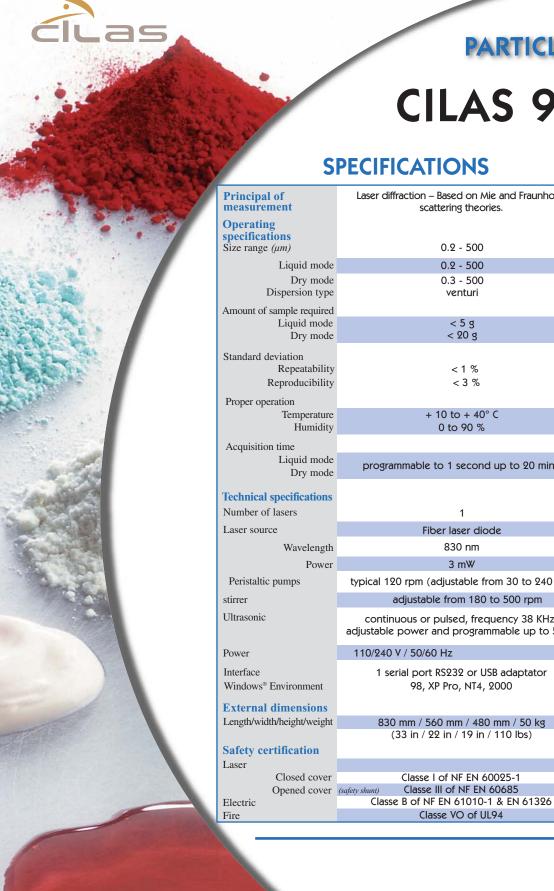
Powerful custom report facilities

HTML, Excel files generation

CFR 21 Part 11 compliance

Easy and intuitive display functions

Windows XP, NT, 2000 compatibility



PARTICLE SIZE ANALYZER

CILAS 990

SPECIFICATIONS

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Principal of measurement	Laser diffraction – Based on Mie and Fraunhofer scattering theories.
Operating	
specifications Size range (μm)	0.2 - 500
Liquid mode	0.2 - 500
Dry mode Dispersion type	0.3 - 500 venturi
Amount of sample required Liquid mode	< 5 g
Dry mode	< 20 g
Standard deviation	
Repeatability	< 1 %
Reproducibility	< 3 %
Proper operation	10.1
Temperature Humidity	+ 10 to + 40° C 0 to 90 %
Acquisition time	0 (0 70 %
Liquid mode Dry mode	programmable to 1 second up to 20 min.
Technical specifications	
Number of lasers	1
Laser source	Fiber laser diode
Wavelength	830 nm
Power	3 mW
Peristaltic pumps	typical 120 rpm (adjustable from 30 to 240 rpm)
stirrer	adjustable from 180 to 500 rpm
Ultrasonic	continuous or pulsed, frequency 38 KHz, adjustable power and programmable up to 50 W
Power	110/240 V / 50/60 Hz
Interface Windows® Environment	1 serial port RS232 or USB adaptator

ACCESSORIES

- · Video Camera: for visualizing shape.
- Small volume unit: 50 ml for aggressive solvents and high-cost samples.
- Alcohol recirculator : to decrease the cost of alcohol, when analyzing hydrophilic particles.
- Auto sampler : 28 cups for unattended analysis.
- Remote control module to increase productivity.

CILAS RANGE

- CILAS 990 : standard system for process control for a measuring range 0.3 to 400 µm.
- · CILAS 1090 : with dual sequenced laser system for a measuring range 0.04 to 500 µm.
- · CILAS 1190 : integrates 2 high technologies, laser diffraction and CCD camera for a measuring range from 0.04 to 2.500 µm.

Many tasks are performed automatically by the particle size analyzer, such as cleaning, rinsing, and system checking. Designed to be robust and field proven, our particle size analyzers require very little maintenance.

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